

# Converting Colors

XYZ(56.8661, 66.7830, 74.7753)

Have a look what the booklet for  
XYZ(56.8661, 66.7830, 74.7753)  
contains.

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# Color

**XYZ(56.8760, 66.6654,  
74.8358)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2DED8
RGB	178, 222, 216
RGB Percent	70%, 87%, 85%
CMY	0.3020, 0.1294, 0.1529
CMYK	0.20, 0.00, 0.03, 0.13
HSL	172°, 40%, 78%
HSV	172°, 20%, 87%
XYZ	56.8760, 66.6654, 74.8358
YIQ	208.1600, -24.2980, -11.1940

# Conversions

## Conversions Part 2

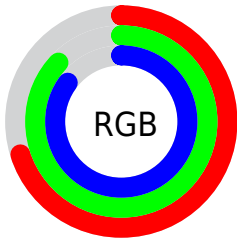
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	178, 202, 222
Decimal	11722456
CIE <sub>Lab</sub>	85.33, -15.45, -1.79
CIE <sub>LCh</sub>	85, 15.550, 186.594
Yxy	66.6654, 0.2867, 0.3361
Android (android.graphics.Color)	4289912536 (0xFFB2DED8)
YUV	208.1600, 3.8651, -26.4503
Hunter-Lab	81.6489, -18.5438, 2.8116

# Details

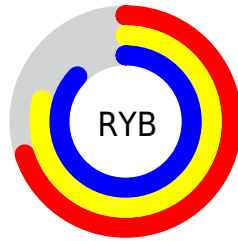
The XYZ color **56.8760, 66.6654, 74.8358** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.6986, 50.8328, 52.2789**, and the grayscale version is **60.0465, 63.1736, 68.7960**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **28.5639, 34.4957, 38.8711** is the 20% darker color. If you saturate the color by 10%, you get **51.8012, 64.0958, 72.5743**, and if you desaturate by 10%, it is **62.7862, 69.6683, 77.1769**.

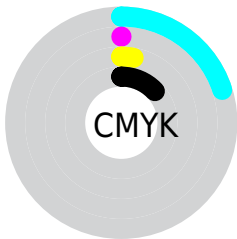
# Distribution



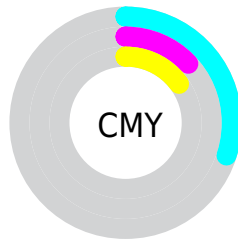
- Red (70%)
- Green (87%)
- Blue (85%)



- Red (70%)
- Yellow (79%)
- Blue (87%)



- Cyan (20%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (30%)
- Magenta (13%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8760, 66.6654, 74.8358 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.8760, 66.6654, 74.8358 by changing the saturation by 10% instead.



■ 56.8760, 66.6654,  
74.8358

■ 56.8760, 66.6654,  
74.8358

403.0062,  
448.7528, 496.5934

■ 41.1454, 48.8128,  
54.9775

■ 99.4166, 114.4408,  
127.8249

■ 28.6209, 34.4710,  
38.9852

126.9574,  
145.1324, 161.7927

■ 18.9371, 23.2556,  
26.4405

159.1657,  
180.8724, 201.3007

■ 11.7286, 14.7824,  
16.9247

196.4067,  
222.0453, 246.7675

■ 6.6300, 8.6668,  
10.0195

239.0460,  
269.0353, 298.6117

■ 3.2761, 4.5245,  
5.3061

287.4487,

■ 1.3014, 1.9711,

322.2270, 357.2516

2.3661

341.9803,  
382.0047, 423.1060

■ 0.1843, 0.5906,  
0.7679

■ 0.0000, 0.0000,  
0.0000

■ 56.8760, 66.6654,  
74.8358

■ 56.8760, 66.6654,  
74.8358

■ 51.8012, 64.0958,  
72.5743

■ 62.7862, 69.6683,  
77.1769

■ 47.5164, 61.9310,  
70.3859


■ 69.5630, 73.1154,  
79.5950


■ 43.9807, 60.1514,  
68.2698


■ 77.2430, 77.0272,  
82.0934


■ 41.1471, 58.7330,  
66.2236


■ 81.3822, 79.1129,  
84.4644


 38.9632, 57.6487,  
64.2448

 81.8068, 79.2827,  
86.7000


 37.3693, 56.8677,  
62.3302


 82.2387, 79.4555,  
88.9747


 36.2946, 56.3536,  
60.4763

 82.6781, 79.6312,  
91.2885

 35.6167, 56.0433,  
58.6773

 83.1250, 79.8100,  
93.6417

 35.6057, 56.0383,  
58.6454

 83.5794, 79.9917,  
96.0345

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.3538, 66.6654, 65.1575



56.8760, 66.6654, 74.8358



58.0841, 66.6654, 84.7648

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.8760, 66.6654, 74.8358



67.4839, 66.6654, 89.2859



66.0898, 66.6654, 56.2145

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.8760, 66.6654, 74.8358



54.6986, 50.8328, 52.2789

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9534, 66.6654, 61.6357



56.8760, 66.6654, 74.8358



69.7789, 66.6654, 80.5614

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.8760, 66.6654, 74.8358



64.1438, 66.6654, 93.5920



70.3264, 66.6654, 70.3843



62.5895, 66.6654, 54.9868



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.8760, 66.6654, 74.8358



59.7103, 66.6654, 89.9979



70.3264, 66.6654, 70.3843



67.1627, 66.6654, 57.5807

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.8779, 66.6681, 74.8373



89.3091, 97.0791, 106.8867



54.0703, 65.7243, 51.9567



18.9878, 20.7138, 22.8317



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

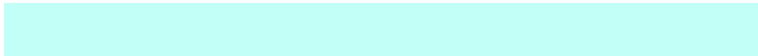


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.8779, 66.6681, 74.8373



74.6915, 89.6568, 101.0823



53.7629, 59.1732, 77.6984



14.0319, 15.5385, 17.2033



21.1786, 33.2963, 34.9933



1.4905, 2.3169, 2.5442



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.6986, 50.8328, 52.2789



71.1656, 64.0259, 64.5771



57.3208, 57.0630, 50.1136



13.7830, 13.7308, 14.6274



18.0581, 9.2902, 1.7058

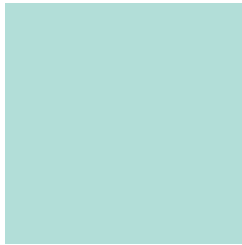


1.2765, 0.6539, 0.2487



# Previews

## White Background



This preview shows how the XYZ color 56.8760, 66.6654, 74.8358 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

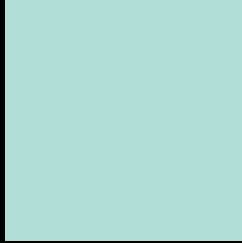
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8760, 66.6654, 74.8358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

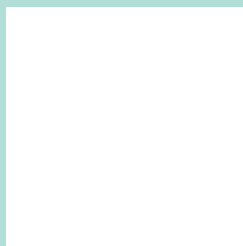
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.8760, 66.6654, 74.8358**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8760, 66.6654, 74.8358.



This preview shows how white text looks on a background with the XYZ color 56.8760, 66.6654,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

56.8760, 66.6654, 74.8358

### Protanopia

63.7916, 66.4918, 70.4448

### Deuteranopia

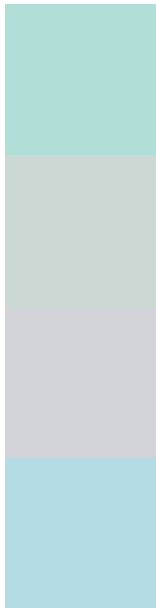
67.4906, 66.0801, 76.2154



## Tritanopia

59.7632, 66.6642, 89.0745

# Trichromacy



## Original Color

56.8760, 66.6654, 74.8358

## Protanomaly

61.0681, 66.5617, 71.9164

## Deuteranomaly

63.0623, 65.9978, 75.7448

## Tritanomaly

58.7921, 66.6673, 83.8981

# Monochromacy



## Original Color

56.8760, 66.6654, 74.8358

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

58.5781, 64.1620, 70.9251

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8760, 66.6654, 74.8358 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(178, 222, 216)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 222, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8760, 66.6654, 74.8358 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 222, 216) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(178, 222, 216) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(178, 222, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(178, 222,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8760, 66.6654, 74.8358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 222, 216) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178,  
222, 216) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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